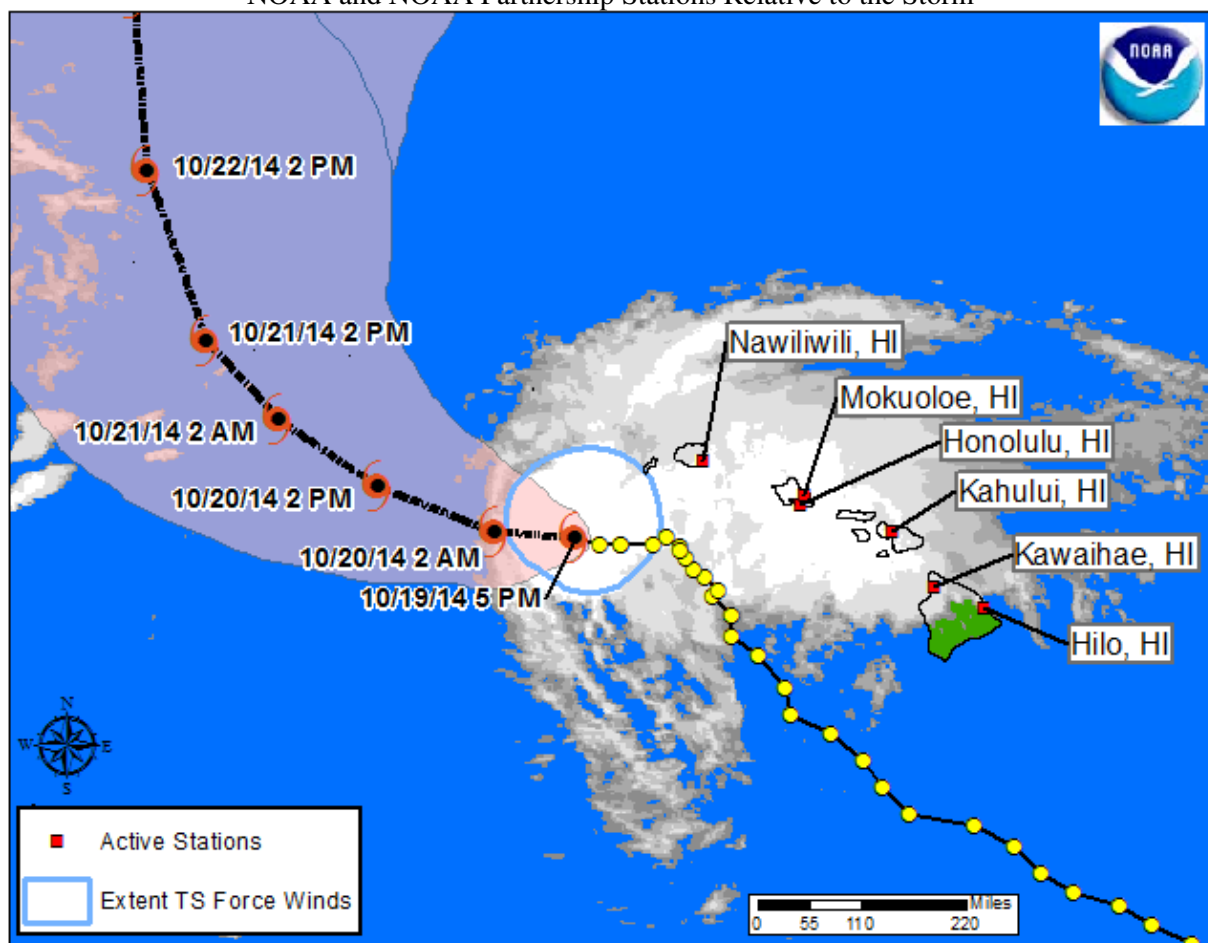




Hurricane ANA QuickLook
Posted: 18:00 HST 10/19/2014

NOAA and NOAA Partnership Stations Relative to the Storm



Storm Analysis

As of 10/19/2014 18:00 HST, water levels at Nawiliwili (Kauai) and across the other main Hawaiian Islands are slightly elevated, ranging between 0.2 and 0.3 feet above predicted tide levels. While there are no winds available on Kauai, winds are generally 15 knots or less across all Hawaiian Islands from Oahu eastward. Barometric pressure is steady across the area.

Water Level and Meteorological plots available below are updated automatically. A line denoting Mean Higher High Water (MHHW) is displayed to provide an approximate indication of when flooding inundation may occur.

For additional data, please see the [Center for Operational Oceanographic Products & Services](#) website. For more information or archived products and reports, please see the [Storm QuickLook](#) Homepage.

Analyst: PFF

SELECT CENTRAL PACIFIC HURRICANE CENTER ADVISORY INFORMATION:

TROPICAL STORM ANA ADVISORY NUMBER 26

NWS CENTRAL PACIFIC HURRICANE CENTER HONOLULU HI

500 PM HST SUN OCT 19 2014

...TROPICAL STORM ANA SOUTHWEST OF KAUAI MOVING SLOWLY WESTWARD...

WATCHES AND WARNINGS

CHANGES WITH THIS ADVISORY...

ANA DOWNGRADED TO A TROPICAL STORM

SUMMARY OF WATCHES AND WARNINGS IN EFFECT...

A TROPICAL STORM WARNING IS IN EFFECT FOR...

* KAUAI COUNTY INCLUDING THE ISLANDS OF KAUAI AND NIIHAU

* PORTIONS OF THE PAPA HANAU MOKU AKEA MARINE NATIONAL MONUMENT...FROM NIHOA TO FRENCH FRIGATE SHOALS.

A HURRICANE WATCH IS IN EFFECT FOR...

* PORTIONS OF THE PAPA HANAU MOKU AKEA MARINE NATIONAL MONUMENT...FROM NIHOA TO MARO REEF.

A TROPICAL STORM WARNING MEANS THAT TROPICAL STORM CONDITIONS ARE EXPECTED SOMEWHERE WITHIN THE WARNING AREA. FOR KAUAI COUNTY... THESE CONDITIONS ARE EXPECTED WITHIN THE NEXT 12 HOURS. FOR THE MARINE NATIONAL MONUMENT...THESE CONDITIONS ARE EXPECTED WITH THE NEXT 24 TO 36 HOURS.

A HURRICANE WATCH MEANS THAT HURRICANE CONDITIONS ARE POSSIBLE WITHIN THE WATCH AREA...GENERALLY WITHIN 48 HOURS.

FOR STORM INFORMATION SPECIFIC TO YOUR AREA...PLEASE MONITOR PRODUCTS ISSUED BY THE NATIONAL WEATHER SERVICE OFFICE IN HONOLULU HAWAII.

DISCUSSION AND 48-HOUR OUTLOOK

AT 500 PM HST...0300 UTC...THE CENTER OF TROPICAL STORM ANA WAS LOCATED NEAR LATITUDE 20.8 NORTH...LONGITUDE 161.3 WEST OR ABOUT 150 MI SW OF LIHUE HAWAII AND

ABOUT 220 MI W OF HONOLULU HAWAII. ANA IS MOVING TOWARD THE WEST NEAR 8 MPH...13 KM/H...AND THIS MOTION IS EXPECTED TO CONTINUE THROUGH MONDAY. A GRADUAL TURN TO THE NORTHWEST IS EXPECTED TUESDAY.

MAXIMUM SUSTAINED WINDS ARE NEAR 70 MPH...110 KM/H...WITH HIGHER GUSTS. LITTLE CHANGE IN STRENGTH IS FORECAST DURING THE NEXT 48 HOURS...WITH ANA EXPECTED TO REMAIN A STRONG TROPICAL STORM THROUGH TUESDAY.

TROPICAL STORM FORCE WINDS EXTEND OUTWARD UP TO 105 MILES...165 KM FROM THE CENTER.

THE ESTIMATED MINIMUM CENTRAL PRESSURE IS 994 MB...29.36 INCHES.

HAZARDS AFFECTING LAND

WIND...TROPICAL STORM CONDITIONS ARE EXPECTED OVER KAUAI COUNTY TODAY...AND OVER NIHOA TONIGHT. TROPICAL STORM CONDITIONS ARE EXPECTED OVER NECKER ISLAND...FRENCH FRIGATE SHOALS...AND TERN ISLAND MONDAY NIGHT. HURRICANE CONDITIONS ARE POSSIBLE OVER FRENCH FRIGATE SHOALS AND TERN ISLAND MONDAY NIGHT.

SURF...LARGE SWELLS PRODUCED BY ANA WILL CONTINUE TO IMPACT MOST OF THE MAIN HAWAIIAN ISLANDS TODAY...AND WILL REACH THE NORTHWEST HAWAIIAN ISLANDS LATER TODAY AND TONIGHT. SURF PRODUCED BY THESE SWELLS COULD POTENTIALLY BE DAMAGING ALONG EXPOSED SOUTHERN AND SOUTHEASTERN SHORELINES.

RAINFALL...ANA IS EXPECTED TO BRING TOTAL RAINFALL AMOUNTS OF 3 TO 6 INCHES...WITH LOCAL AMOUNTS UP TO 8 INCHES...OVER KAUAI AND NIIHAU. RAINFALL ASSOCIATED WITH ANA WILL MOVE OVER THE SMALLER ISLANDS FROM NIIHAU TO MAUI TODAY. RAINFALL WILL GRADUALLY DIMINISH LATER IN THE DAY OVER OAHU AND MAUI. RAINFALL AMOUNTS OF 4 TO 8 INCHES...WITH LOCAL AMOUNTS OF 12 INCHES...ARE POSSIBLE OVER THE NORTHWEST HAWAIIAN ISLANDS ALONG AND NEAR THE TRACK OF THE CENTER OF ANA.

FORECASTER POWELL

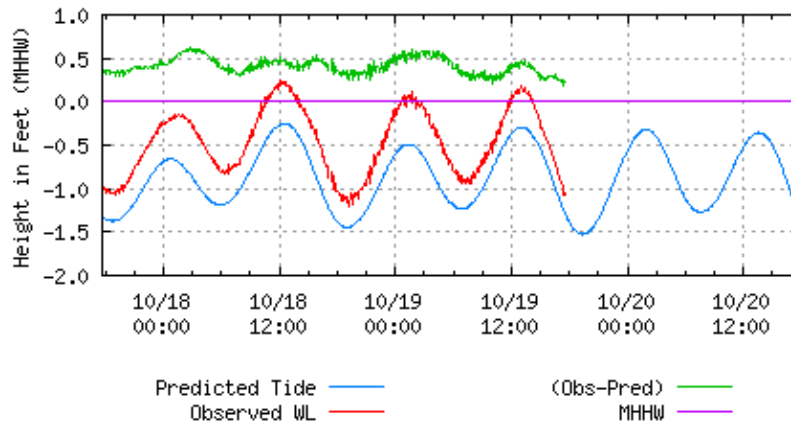
For the purpose of timely release, data contained within this QuickLook have undergone a "limited" NOS Quality Assurance/Control; however, the data have not yet undergone final verification. All data subject to NOS verification.

Jump to: [Nawiliwili - Water Level](#), [Honolulu - Water Level](#), [Honolulu - Winds](#), [Honolulu - Barometric](#), [Mokuoloe - Water Level](#), [Mokuoloe - Winds](#), [Mokuoloe - Barometric](#), [Kahului, Kahului Harbor - Water Level](#), [Kahului, Kahului Harbor - Winds](#), [Kahului, Kahului Harbor - Barometric](#), [Kawaihae - Water Level](#), [Kawaihae - Winds](#), [Hilo, Hilo Bay, Kuhio Bay - Water Level](#), [Hilo, Hilo Bay, Kuhio Bay - Winds](#)

Hurricane ANA QuickLook, POSTED 18:00 HST 10/19/2014

NOAA/NOS/CO-OPS 1611400 Nawiliwili, HI

Preliminary Water Level, relative to Mean Higher High Water(MHHW)



Last Observed Sample: 10/19/2014 17:36 (HST). Data relative to MHHW

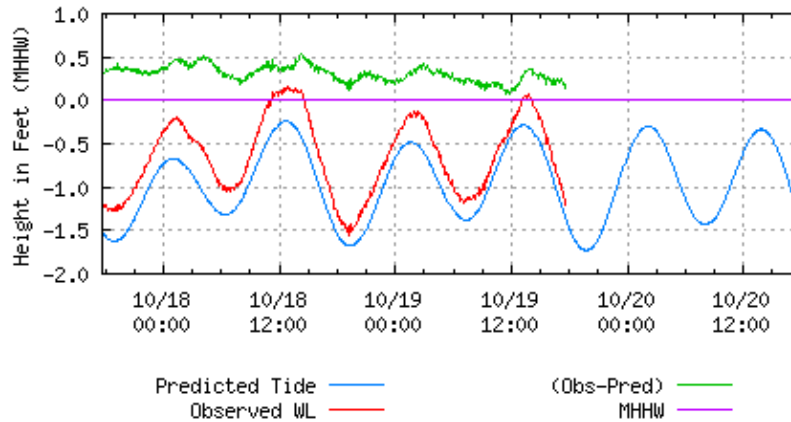
Observed: -1.07 ft. Predicted: -1.30 ft. Residual: 0.23 ft.

Historical Maximum Water Level: Sep 11 1992, 3.15 ft.

Next High Tide: 10/20/2014 01:55 (HST), -0.32 ft.

NOAA/NOS/CO-OPS 1612340 Honolulu, HI

Preliminary Water Level, relative to Mean Higher High Water(MHHW)



Last Observed Sample: 10/19/2014 17:36 (HST). Data relative to MHHW

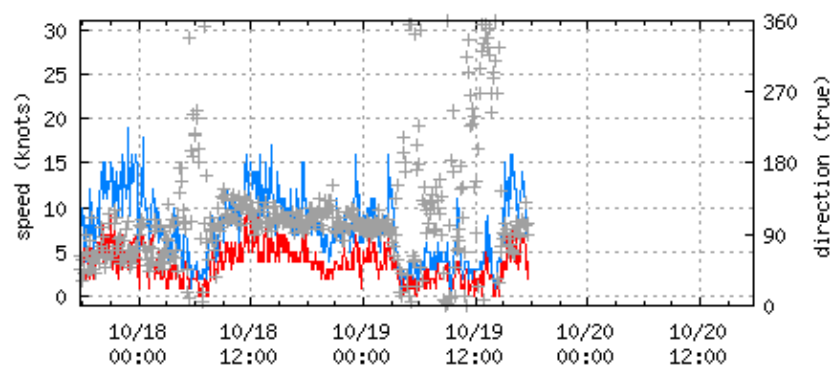
Observed: -1.21 ft. Predicted: -1.36 ft. Residual: 0.15 ft.

Historical Maximum Water Level: Feb 14 1967, 1.49 ft.

Next High Tide: 10/20/2014 02:08 (HST), -0.30 ft.

NOAA/NOS/CO-OPS 1612340 Honolulu, HI

Wind Speed / Gusts / Direction



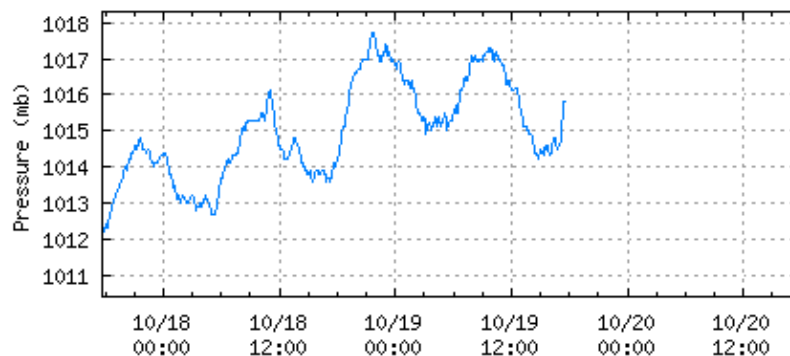
speed — gusts — direction +

Last Observed Sample: 10/19/2014 17:36 (HST)

Wind Speed: 4 knots Gusts: 7 knots Direction: 103° T

NOAA/NOS/CO-OPS 1612340 Honolulu, HI

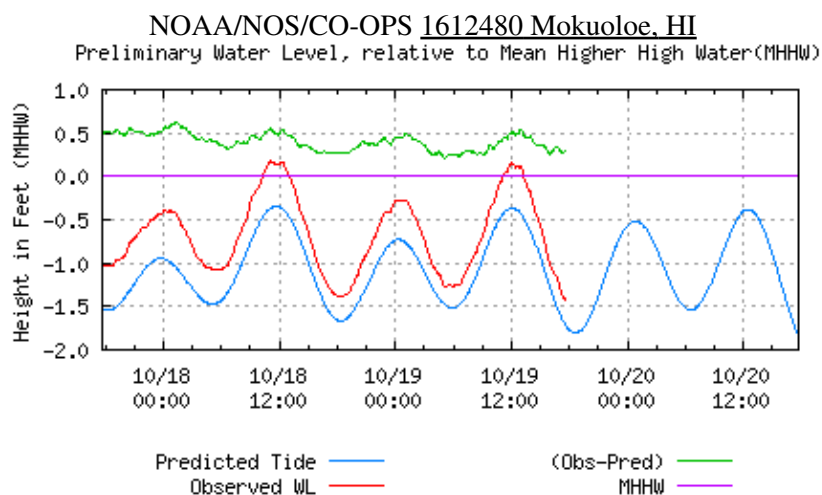
Barometric Pressure



barometric pressure —

Last Observed Sample: 10/19/2014 17:36 (HST)

Barometric Pressure: 1015.8 mb

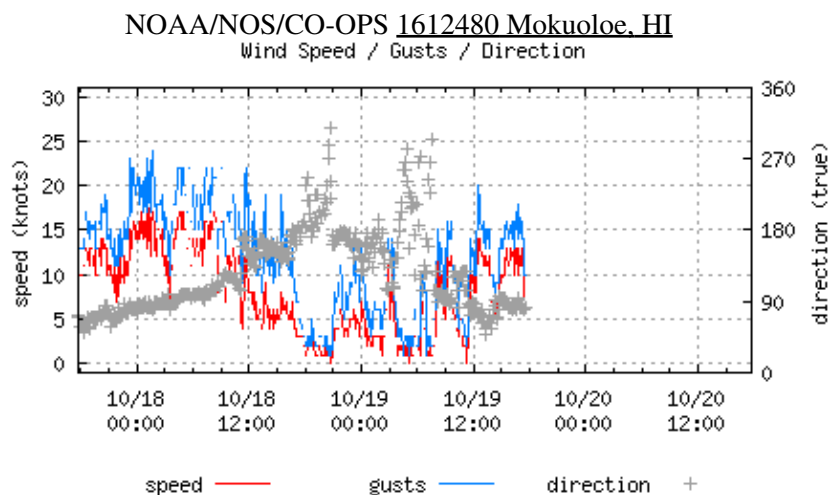


Last Observed Sample: 10/19/2014 17:36 (HST). Data relative to MHHW

Observed: -1.42 ft. Predicted: -1.72 ft. Residual: 0.30 ft.

Historical Maximum Water Level: Jan 8 1974, 1.46 ft.

Next High Tide: 10/20/2014 00:50 (HST), -0.52 ft.

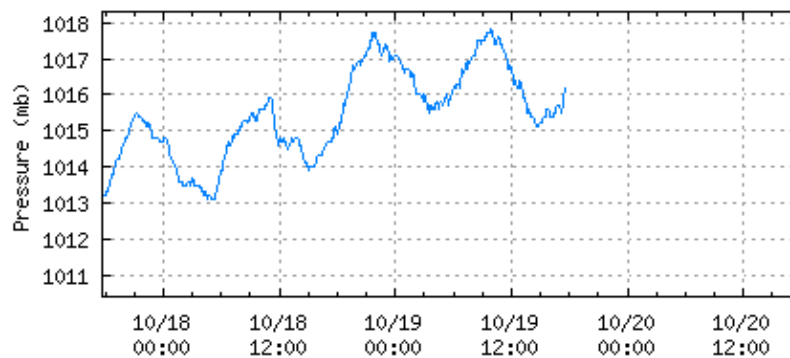


Last Observed Sample: 10/19/2014 17:36 (HST)

Wind Speed: 6 knots Gusts: 10 knots Direction: 81° T

NOAA/NOS/CO-OPS 1612480 Mokuoloe, HI

Barometric Pressure



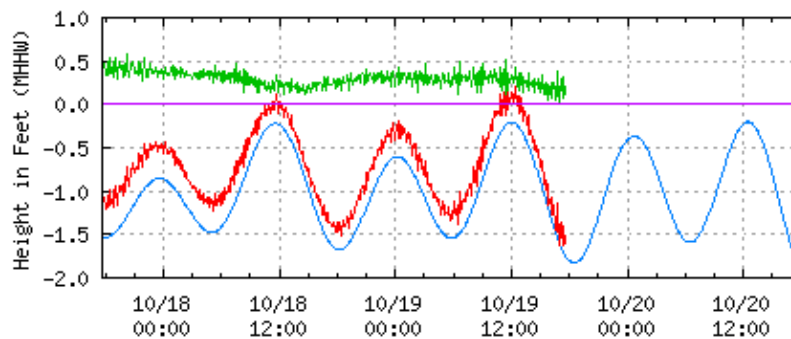
barometric pressure —

Last Observed Sample: 10/19/2014 17:36 (HST)

Barometric Pressure: 1016.2 mb

NOAA/NOS/CO-OPS 1615680 Kahului, Kahului Harbor, HI

Preliminary Water Level, relative to Mean Higher High Water (MHHW)



Predicted Tide —

Observed WL —

(Obs-Pred) —

MHHW —

Last Observed Sample: 10/19/2014 17:36 (HST). Data relative to MHHW

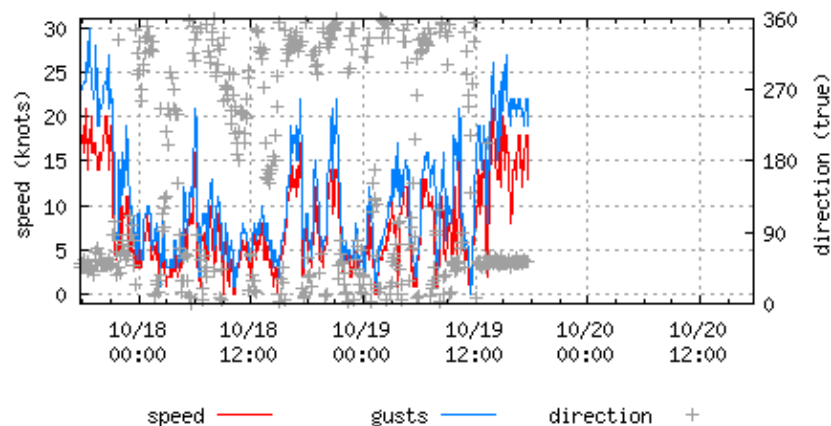
Observed: -1.57 ft. Predicted: -1.75 ft. Residual: 0.18 ft.

Historical Maximum Water Level: Dec 20 1968, 1.23 ft.

Next High Tide: 10/20/2014 00:42 (HST), -0.36 ft.

NOAA/NOS/CO-OPS 1615680 Kahului, Kahului Harbor, HI

Wind Speed / Gusts / Direction

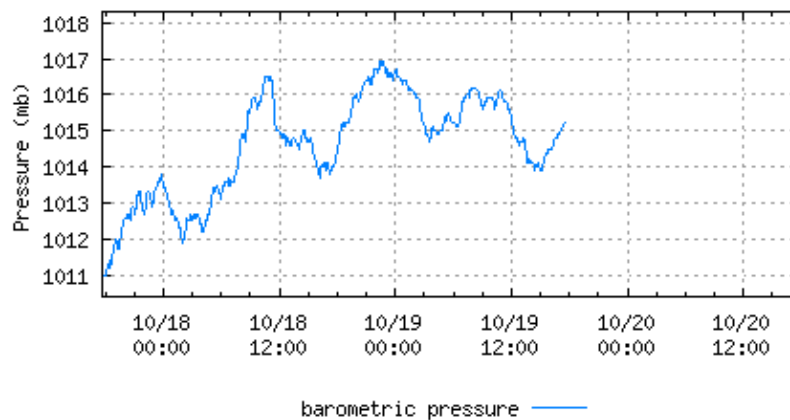


Last Observed Sample: 10/19/2014 17:36 (HST)

Wind Speed: 13 knots Gusts: 19 knots Direction: 54° T

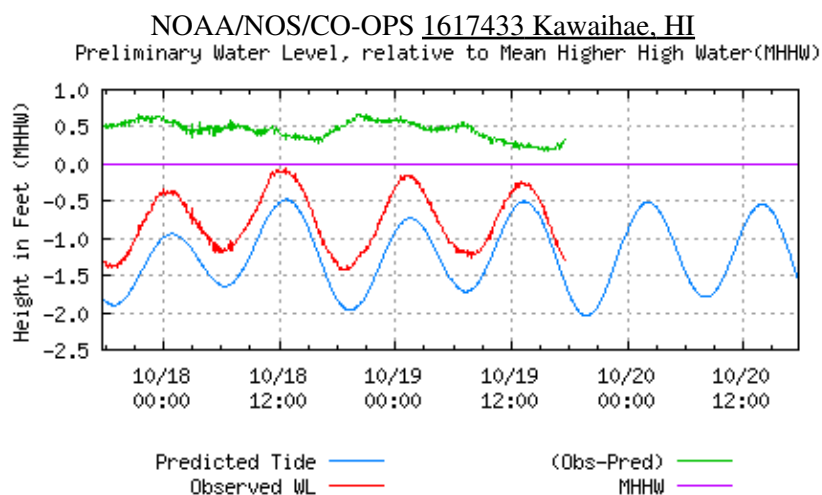
NOAA/NOS/CO-OPS 1615680 Kahului, Kahului Harbor, HI

Barometric Pressure



Last Observed Sample: 10/19/2014 17:36 (HST)

Barometric Pressure: 1015.2 mb

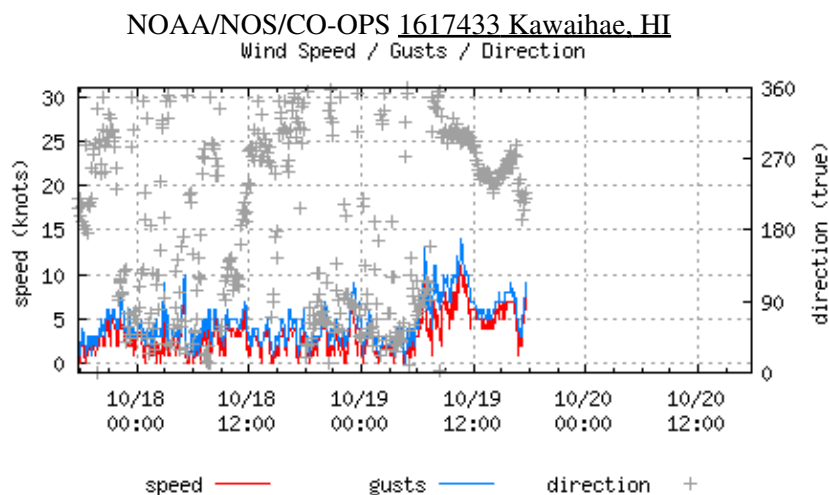


Last Observed Sample: 10/19/2014 17:36 (HST). Data relative to MHHW

Observed: -1.29 ft. Predicted: -1.63 ft. Residual: 0.34 ft.

Historical Maximum Water Level: Dec 13 2008, 1.22 ft.

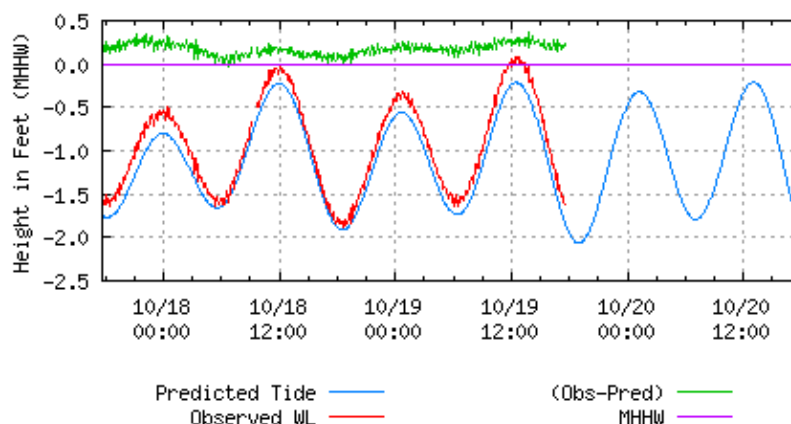
Next High Tide: 10/20/2014 02:07 (HST), -0.52 ft.



Last Observed Sample: 10/19/2014 17:36 (HST)

Wind Speed: 6 knots Gusts: 9 knots Direction: 228° T

NOAA/NOS/CO-OPS 1617760 Hilo, Hilo Bay, Kuhio Bay, HI
Preliminary Water Level, relative to Mean Higher High Water(MHHW)



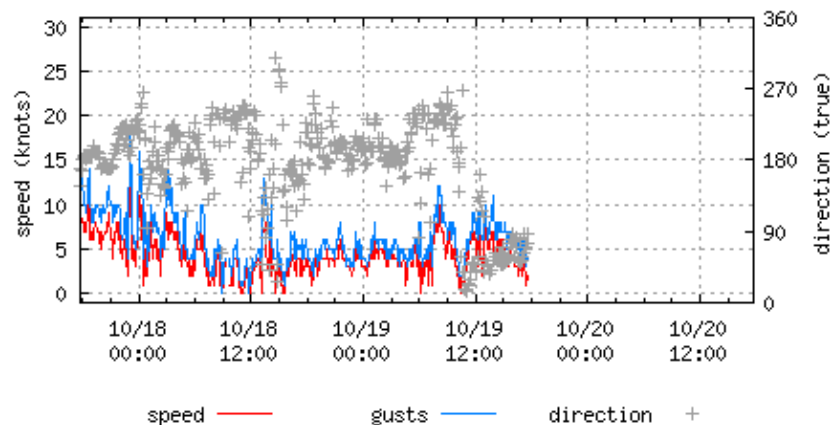
Last Observed Sample: 10/19/2014 17:36 (HST). Data relative to MHHW

Observed: -1.62 ft. Predicted: -1.86 ft. Residual: 0.24 ft.

Historical Maximum Water Level: Jan 20 1981, 1.37 ft.

Next High Tide: 10/20/2014 01:13 (HST), -0.32 ft.

NOAA/NOS/CO-OPS 1617760 Hilo, Hilo Bay, Kuhio Bay, HI
Wind Speed / Gusts / Direction



Last Observed Sample: 10/19/2014 17:36 (HST)

Wind Speed: 2 knots Gusts: 4 knots Direction: 87° T

Hurricane ANA QuickLook, POSTED 18:00 HST 10/19/2014

Latest Water Level Observations on MHHW

Station ID	Station Name	Date/Time	Observed Water Level	Predicted Tide	Residual Water Level	24 Hour Maximum Storm Tide
1611400	Nawiliwili, HI	10/19/2014 17:36 (HST)	-1.07 ft	-1.30 ft	0.23 ft	0.18 ft
1612340	Honolulu, HI	10/19/2014 17:36 (HST)	-1.21 ft	-1.36 ft	0.15 ft	0.07 ft
1612480	Mokuoloe, HI	10/19/2014 17:36 (HST)	-1.42 ft	-1.72 ft	0.30 ft	0.16 ft
1615680	Kahului, Kahului Harbor, HI	10/19/2014 17:36 (HST)	-1.57 ft	-1.75 ft	0.18 ft	0.28 ft
1617433	Kawaihae, HI	10/19/2014 17:36 (HST)	-1.29 ft	-1.63 ft	0.34 ft	-0.16 ft
1617760	Hilo, Hilo Bay, Kuhio Bay, HI	10/19/2014 17:36 (HST)	-1.62 ft	-1.86 ft	0.24 ft	0.08 ft

Center for Operational Oceanographic Products & Services (CO-OPS) | National Ocean Service (NOS)
National Oceanic and Atmospheric Administration | U.S. Department of Commerce